

We claim:

1. A bearing device comprising:
  - a shaft;
  - a first bearing mounted on the shaft;
  - a second bearing mounted on the shaft;  
wherein the first bearing and the second bearing each further comprises:
    - an outer ring; and
    - an inner ring,  
and wherein only one edge of the outer ring and the inner ring are aligned.
2. The bearing device of claim 1, wherein for each bearing the outer ring is wider than the inner ring by a length greater than a one sided rattle of the bearing.
3. The bearing device of claim 2, wherein the first and the second bearings are mounted on the shaft such that the outer rings of the first and the second bearing touch and a space is formed between the inner rings of the first and the second bearings.
4. The bearing device of claim 3, wherein the space formed between the inner rings of the first and the second bearings is larger than the sum of one sided rattle for the first and the second bearing.
5. The bearing device of claim 2, further comprising:
  - a first race formed on the outer ring;
  - a second race formed on the inner ring; and
  - rolling elements placed between the first race and the second race.
6. The bearing device of claim 5, wherein the first race is formed closer to one edge of the outer ring.

7. The bearing device of claim 5, wherein the rolling elements are balls.
8. The bearing device of claim 5, wherein the rolling elements are rollers.
9. The bearing device of claim 2, further comprising:  
a shield mounted in each of the first bearing and the second bearing.